



REPORT
ON
THE DEPARTMENT OF
AGRICULTURE,
BARBADOS.

1923—24.

ADVOCATE CO. LTD.,

Printers and Book-Binders to the Government of Barbados.

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DEPARTMENT OF AGRICULTURE

BARBADOS

FOR THE FINANCIAL YEAR 1923-24.

STAFF.

Director of Agriculture	...	...	JOHN R. BOVELL, I.S.O.
Assistant Director	...	...	C. C. SKEETE, B.A.
Assistant in charge of Sugar-cane Experiments at Dodds	...	...	C. O. HAYNES
First Field Assistant	...	...	C. B. FOSTER
Second Field Assistant	...	...	A. R. C. GITTENS
Chief Clerk	...	...	H. O. RAMSEY
Second Clerk	...	...	G. D. RAMSEY
Third Clerk	...	...	B. A. NICCOLLS

ESTABLISHMENT.

During the year under review, several appointments and acting appointments occurred, due to the promotion of two members of the Staff and to leave granted to the Director of Agriculture to attend the Agricultural Conference in Jamaica. Vacation leave was granted Mr. B. A. Pourné, the Assistant Director, who subsequently resigned his post to accept an appointment as Plant Pathologist in the University of Porto Rico. On the resignation of Mr. B. A. Bourne, Mr. C. C. Skeete, B.A., a graduate with honours in the Natural Science Tripos at Cambridge and who had spent an additional year there studying scientific agriculture, was appointed as Assistant Director of Agriculture. Mr. Proverbs, the Assistant in Charge of the Sugar-Cane Experiments at Dodds, resigned his post to accept a better one in Porto-Rico and Mr. C. O. Haynes, First Field Assistant was appointed as Assistant in Charge of the Sugar-Cane Experiments at Dodds. On Mr. Haynes being sent to Dodds, Mr. C. B. Foster was appointed as First Field Assistant and Mr. A. R. C. Gittens who had obtained the Agricultural Diploma at Harrison College and passed the Oxford and Cambridge School Examination with credit in Chemistry, Botany, Elementary Mathematics and French, was appointed as Second Field Assistant on six months' probation. Mr. H. O. Ramsey was appointed Inspector under the Mosaic Disease (Eradication) Act from November 9th, 1923 to the end of the year under review. During that period Mr. G. D. Ramsey, Second Clerk, was provisionally appointed as Chief Clerk, Miss B. A. Niccolls, Third Clerk, was provisionally appointed as Second Clerk and Mr. N. W. Niccolls, who had acted in this Department as Third Clerk in 1922, was provisionally appointed as Third Clerk.

EXPENDITURE.

	£	s.	d.
Salaries	2,323	11	0
Incidentals for sugar-cane, cotton and other experiments	268	9	4½
Upkeep of Botanic Station	162	6	4½
Fumigation of Plants	1	5	10½
Improving the breed of goats in the Island	20	13	11
Pay and travelling expenses in connection with sugar-cane experiments	11	12	11
Purchase of apparatus, books, etc.	18	18	7
Exhibition	98	9	1½
	£2,905	7	2

RECEIPTS.

	£	s.	d.
Plants in pots	78	0	2
Sundries:—Packing cane plants, tamarinds sold from trees at Pavilion, collecting Mahogany seed and Casuarina seed, etc.	17	5	11½
	£95	6	1½

DISTRIBUTION OF PLANTS, CUTTINGS, SEEDS, ETC.

The receipts for the sale of plants, etc., for the year 1923—24 amounted to £95 6s. 1½d. being £175 15s. 8d. less than the previous year. The diminution is due to the fact that owing to the transfer of the Experiment Station that was conducted on the lands at Waterford to the Government Industrial School, the revenue for canes, cotton, cassava, yams, etc. is now included in the accounts of the Institution.

The plants and seeds distributed locally and abroad for the year are as follows:—

PLANTS.

Alfalfa	100	plants
Bougainvillea	225	"
Breadfruit	15	"
Cassia Fistula	16	"
Cassia grandis	51	"
„ javanica	12	"
Casuarina	75	"
Cherry	32	"
Ficus Benjamina	36	"
„ nitida	7	"
Fig	6	"
Grape vine	2	"
Lime	34	"
Mango	69	"
Miscellaneous	194	"
Palms & Ornamental	744	"
Pear—Grafted	25	"
Plants for Arbor Day	615	"
Rose	298	"
Sapodilla	11	"

CUTTINGS.

Cane cuttings (of these 28,919 cuttings were packed in damp powdered charcoal)	56,130	cuttings
Elephant grass	500	"

IMPORTED AND DISTRIBUTED LOCALLY.

Corn	4	quarts
Onion seed	10	oz.

EXPERIMENTS WITH SUGAR-CANES.

As a separate report is issued dealing with the sugar-cane, manurial and other experiments, there is no need to deal further with the activities of the Department of Agriculture in this report beyond stating that the better seedling sugar-canes, B. & H. 10 (12), Ba. 6032 and Ba. 11569 continue to give exceedingly satisfactory results when compared with the White Transparent. There are also other newer seedlings showing promise of being of considerable value, but it is too soon yet to express any definite opinion about them.

THE COTTON INDUSTRY.

The experiments for improving the quality and increasing the yield of lint of the varieties of the Sea Island Cotton grown in the Island were continued during the year under review. The methods by which these experiments are carried out have already been given in previous reports so there is no need to repeat them here. Efforts to improve the native variety of cotton by selection have also been continued. In both instances I am pleased to be able to report that considerable success has been attained. I say this, because in a letter to me dated January 17, 1924, Mr. Charles M. Wolstenholme, the Cotton Expert of the firm of Messrs Wolstenholme & Holland, states with regard to the cotton shipped from Barbados: "So far this season Barbados Cotton has sold freely and it is better liked than Leeward Island Cotton. There is no doubt that your Island produces a very excellent type of Cotton and with any improvement in the fine trade it would sell very freely. We could get a higher price from the French Spinners than we are doing were it not for the fact the franc is so depreciated." At that time Mr. Wolstenholme valued the Barbados cotton at 27d. per pound. Since then some of the cotton has fetched 2s. 6d. per pound, and a gentleman who is an expert cotton grower and who saw some of the cotton in Liverpool has told me that it was very excellent cotton. With regard to the Native Cotton, as showing that considerable improvement has taken place in this variety, it may be mentioned that at the time Mr. Wolstenholme valued the lint of the Barbados Sea Island Cotton to 27d., he valued the Native Cotton sent him at 21d. per pound, that is, only 6d. per pound, less than the best Sea Island from Barbados.

It is with much regret I have to report that towards the close of July, 1923 the then First Field Assistant, Mr. C. O. Haynes who supervised the hand picking of the improved cotton seed for persons who had placed orders for it, brought me a small pink larva of a lepidopterous insect which appeared from a cursory examination to be the larva of the pink bollworm (*Pectinophora gossypiella* Saunders). The finding of this insect I reported on July 30 to the Honourable the Colonial Secretary for the information of His Excellency the Governor and stated that I was preparing it for microscopical examination so as to be quite sure as to its identification. On August 4, the same Assistant brought me a moth he had captured at the Barbados Co-operative Cotton Factory which proved to be the pink bollworm. This fact I also reported. I may mention that after the first larva was found several more were obtained, some of which I forwarded to Mr. August Busck, the pink bollworm specialist who had been in Barbados some months before, and I asked him to be so good if the specimens proved to be the pink bollworm larvae to cable me the word "Yes" and on August 16, Mr. Busck replied "Yes," thus confirming my identification. As it may also be of interest, I may mention that the week before I received Mr. Busck's reply Mr. C. O. Haynes who was supervising the ginning of certain seed cotton saw other seed cotton being ginned containing pink bollworms which, from the marks on the bags, had come from the parishes of St. Philip, Christ Church, St. George, St. Peter and St. Lucy, thus showing that the pink bollworm had been in the island for some time.

ALFALFA.

Mention has been made in the last two reports of an attempt to introduce alfalfa, (*Medicago sativa*, Linn), a very valuable fodder plant. As it was found that the hares ate the plants as fast as they grew the year before, the plots planted in 1923 were surrounded with galvanized iron wire netting and I am glad to be able to report that the four varieties planted therein are doing, in spite of the very adverse weather conditions which prevailed during the end of last year, as well as can be expected.

It may also be mentioned that the first plants which were grown in the garden at Codrington are still flourishing and producing quantities of seed.

The following Table shows the results so far obtained. In the case of the Inverniza the low yield in the first cutting was due to the fact that only a few plants grew at first. Later on, however, some of the larger plants were divided and used for supplying the vacancies.

MEMO. OF THE CULTIVATION OF ALFALFA AT GOVERNMENT
INDUSTRIAL SCHOOLS, 1923-24.

Variety.	Date planted.	Date reaped.	Size of plot reaped.	Yield of plot, lb.	Yield per acre, lb.	Equivalent Tons.
Alfalfa						
Medanos	15.8.23	1.2.24	20' x 12'	26	4,719	2.10
ditto	15.8.23	27.8.24	20' x 12'	30	5,445	2.43
Alfalfa						
Peruviana	15.8.23	1.2.24	20' x 12'	25	4,537.5	2.02
ditto	15.8.23	27.8.24	20' x 12'	32	5,808	2.59
Alfalfa						
Inverniza	15.8.23	1.2.24	20' x 12'	10	1,815	.81
ditto	15.8.23	27.8.24	20' x 12'	32	5,808	2.59

EXPERIMENTS WITH ECONOMIC COLOCASIAE.

Experiments were again carried out this year with those varieties of economic Colocasiae which have given the best results in the past. Table I contains the results obtained with the plants of the Colocasia, probably varieties of Colocasia anti-quorum esculentum and Table II the results obtained with the Xanthosomas. Owing to the unfavourable weather conditions that prevailed during 1923 the results are not as favourable as on the average for the past five years.

TABLE I.
RESULTS OF EXPERIMENTS WITH ECONOMIC COLOCASIAE.

Name.	Weight of Corms per acre. lb.		Weight of Cormels per acre. lb.	
	Mean for 5 years (1916-17—1918-20) & 1921-23.	1923-24	Mean for 5 years (1916-17—1918-20) & 1921-23.	1923-24
White Seal Top ...	1,611	697	4,528	2,594
White Eddoe ...	1,439	630	4,882	2,965
Dasheen ...	886	290	3,116	910

TABLE II.
RESULTS OF EXPERIMENTS WITH ECONOMIC XANTHOSOMAS.

Name.	Weight of Corms per acre. lb.		Weight of Cormels per acre. lb.	
	Mean for 5 years 1917-18 to 1922-23.	1923-24	Mean for 5 years 1917-18 to 1922-23.	1923-24
Barbados Roasting Tannia ...	5,325	3,618	4,736	4,785
Rolliza Tannia ...	5,423	4,058	4,609	4,040

YAMS.

Experiments with yams were continued this year on the lands of the Government Industrial Schools during the period under review but owing to the drought which prevailed during 1923 the yields obtained were lower with the exception of the Buck yam, than those of the past five years.

TABLE III.**RESULTS OF EXPERIMENTS WITH YAMS.**

Name.	No. of years under experiment.	Weight per acre, lb.	
		Mean for period under experiment.	1923-24.
Bottle Neck Lisbon ...	5	13,441	9,407
Red Yam ...	5	10,551	7,351
Femelle ...	5	10,422	5,749
Oriental ...	5	9,579	5,888
Blanche Femelle ...	5	8,644	3,902
White Yam ...	5	7,129	6,202
Antigua ...	5	6,634	4,320
Crop ...	5	5,747	5,052
Horn ...	4	6,438	5,714
Buck ...	3	8,786	12,264

LIVE STOCK

As has been mentioned in previous reports an effort is being made to reduce the infantile mortality which is exceptionally high in Barbados among the children of the peasants by improving the milking capabilities of their goats by stationing bucks of improved breeds in the different districts of the island. At the present time there are four such bucks stationed at the following places, viz., the Government Industrial Schools, St. Philip; Newcastle, St. John; Bissex Hill, St. Joseph and the Lunatic Asylum Farm. In addition, there is a young Saanen buck being reared at Codrington House and there are two does at the Lunatic Asylum Farm. I should here like to state that the Director of Agriculture would be very grateful if planters and others interested in improving the milking capabilities of the goats of the peasants on their estates and in their neighbourhood would be good enough to keep bucks of the improved breeds.

LOCAL AGRICULTURAL SHOW.

This year the Local Agricultural Show for peasant proprietors, children of the elementary schools and others was held by the kind permission of Captain A. R. Fellowes, O.B.E., at Kendal, St. John, on Wednesday, December 5. This year there were £64 11s. 8d. offered for exhibits of young oxen, milch cows, small stock, vegetables, fruit, Sea Island cotton, budded citrus and grafted mango plants and for various agricultural operations, etc. There were also offered this year four prizes for the best essay on the cultivation of the sugar-cane in which it was to be fully stated how the land should be prepared, manured, tilled and weeded as well as how the cuttings should be treated, etc. For the first time four prizes were offered for fishing nets, one of which should be completed on the morning of the Show in the presence of the Judges. Four prizes for essays were offered to the girls on the best way to cook Indian corn dumplings, flour dumplings or trash pot. Competitors were required to send in on the morning of the Show a cooked sample about which they wrote the essay. This year for the first time prizes were offered for articles of clothing for girls or women made from flour sacks.

Seeds of the various vegetables such as beet, cabbage, carrots, khol rabi, lettuce, onion, etc. usually cultivated in Barbados were as usual imported and with the kind assistance of the Committee of Management distributed free of cost to peasants, small proprietors and teachers for the children of the elementary schools. The Education Board was this year good enough to contribute a sum of £5 7s. 10½d towards the purchase of this seed.

Owing to the generosity of Mr. S. S. Robinson, M.C.P., Mr. W. A. Kirton, Dr. E. G. Pilgrim and the Barbados General Agricultural Society it was possible to offer more prizes for competition this year.

This year, unfortunately, owing to the drought that existed for some months the exhibits of vegetables, fruit, etc., were not quite as numerous or quite as good as in some of the previous years except perhaps where the children had grown their plants in tubs or boxes and had been able to water them; in these cases the exhibits were excellent.

This year for the first time since the Local Agricultural Exhibition was started, the Barbados General Agricultural Society held in association with it a Ploughing Match both for motor drawn and oxen drawn ploughs. In the case of the motor drawn ploughs, the First Prize for open subsoiling was awarded to Edgecumbe Plantation and the Second Prize to Ridge. In the case of the oxen drawn ploughs, the First Prize was awarded to Lemon Arbor plantation and the Second Prize to Todds. The open subsoiling ploughing done by the oxen drawn team from Kendal plantation although not quite so good as that of Todds plantation was sufficiently good for the Judges to recommend an extra prize to be awarded that plantation.

The Show which was one of the best so far held was largely attended and the number of competitors exceeded any of previous years, there being 550 competitors for agricultural operations, and owing to the extension of the prize list, sixty-one Judges, Committeemen and Secretaries were required.

In the afternoon, His Excellency the Governor accompanied by Miss O'Brien Brigadier General Edmund D. I. O'Brien, C.B., C.B.E., and Mrs. O'Brien visited the Show and were much interested in the various exhibits. After viewing the exhibits, His Excellency was good enough to distribute the prizes. On addressing those present he said it gave him great pleasure to be among them again, and to see such a large concourse of people. He took it that this was in some measure due to the improved means of communication afforded by the motor service throughout the island. Turning to the exhibition, he should say that all who had seen it must have been excessively gratified at witnessing such a fine display of fruit and vegetables particularly when it was remembered that the past season had not been in every respect a propitious one. Lack of rain had affected the nature and the quality of the exhibits but making due allowance for that fact the Show was an uncommonly good one. (Cheers). There were some excellent specimens of workmanship in the clothing made from sacks, the net work, basket work and several other kinds of work that they had the pleasure of seeing that day. In presenting the prizes, he had noticed many friends and recognized several faces among the school masters, such as Messrs. Smithwick, Pailey and many others. It was pleasing to see that these headmasters had been instructing children in agriculture, which, after all, was the backbone of the country. (Cheers). If a man was a good agriculturist he ought to be exceedingly proud of the fact. What this country would do without good agriculturists no one could tell, and they should endeavour to instil into the young people the dignity of labour. It was more difficult to find places in the clerical line than in the agricultural and what was required not only in this country but also in other parts of the world was to encourage by every means in their power the people to stick to the land and to be proud of being connected with it. He was quite convinced that the work the Agricultural Society had taken up in connection with the Peasants' Show was of the greatest possible value to the whole island. With regard to the poultry, he must however confess a little disappointment as the exhibits in this section were meagre. In former years, he had seen very much better exhibits of poultry than those in evidence that day, and he hoped that the

peasants would endeavour to raise good breeds of fowls and to exhibit them at the Shows. He knew that some people were very light fingered and would steal the eggs and "pinch" the fowls (laughter) but the peasants must not be discouraged by that, but should try to catch the thieves and then they might be able to raise fowls more easily. He would like to express to Sir Frederick Clarke and Mr. Bovell the great pleasure it afforded him of being present, and he also thought a hearty vote of thanks was due to Capt. Fellowes for allowing the Show to take place at Kendal. (Cheers). If anyone desired to know what could be done in Barbados in the way of raising pigs then that person should come to Kendal and look at those belonging to Capt. Fellowes. His Aylesbury ducks were also so large as to be mistaken for swans. He did not know whether this was the last occasion on which he would visit these Shows and distribute prizes, but wherever he was this time next year he would think of the Show and wish it all success. He would also wish still further success to the school masters in inculcating into the children, not only theoretical agriculture, but also the dignity of labour. (Cheers).

Sir Frederick Clarke, in addressing the gathering, said it gave him very great pleasure indeed to thank His Excellency for being present that day; for taking such a deep interest in the Show and for having distributed the prizes. They all knew what a deep interest His Excellency always displayed in agriculture which was the only actual producer of wealth in the world. (Hear, hear.) They hoped that he would be with them at any rate for one more Show. As His Excellency had said, these Shows had done a great deal of good by way of inducing industry and painstaking habits into the peasants who took part in them. He (Sir Frederick Clarke) remembered that at our first Shows the exhibits sent in were very often extremely faulty, badly grown, badly prepared, but year by year these Shows had served as great educators and now they had exhibitors taking great pains in producing and preparing garden products for the Shows. He would also like to emphasize what His Excellency had said with regard to the teaching of agriculture. It was very important that in a purely agricultural country like this almost every one should know something about agriculture—not only theoretical agriculture—and should be able to use his hoe and his fork and perform agricultural operations in the very best manner possible. (Hear, hear). This was what they were endeavouring to get the young people taught. In conclusion, he would again thank His Excellency for being so kind as to come and distribute the prizes.

Mr. Bovell said he was sure he was voicing the wishes of everyone present in joining Sir Frederick Clarke in thanking His Excellency for gracing the function with his presence and for distributing the prizes. As Sir Frederick Clarke had stated it was an undoubted fact that His Excellency took a very deep interest in these Shows. With regard to the agricultural work performed by the school children, he would like to say that it had been done in an excellent manner and was well worth seeing. He desired to join His Excellency in thanking Captain Fellowes for kindly allowing them to hold the Exhibition at Kendal, and Mr. Peterkin, for the help rendered. Mr. Peterkin, from the beginning, had rendered considerable assistance and the success of the Show was in a measure due to his untiring efforts (Cheers). He also wanted to thank the various planters for having placed their carts at the disposal of the Department to bring up the numerous articles that were required. He did not think it was necessary for him to say more as His Excellency and Sir Frederick Clarke had already said all that he would like to express. He then asked the gathering to join with him in giving three cheers for His Excellency and for Capt. Fellowes which were heartily accorded.

Rev. Nichols said he desired to say a few words to the teachers. It was the hope of reward that sweetened labour. Years ago, teachers came to these Shows and carried home very little. That day, Mr. Smithwick, had, however, brought a basket in which to take home his prizes. (Laughter). The Education Board had granted the same number of prizes for School Gardens this year and those prizes had been distributed to the teachers. The same number of Diplomas would be given and the same number of prizes would be given to those four teachers who had obtained the Diplomas, viz., Messrs. Smithwick, Walcott, Gay, and Bailey. He wished to say something with regard to the prizes offered for agricultural work,

and would like it to be remembered. Every year, prizes had been given to those teachers who had entered the largest number of pupils for agricultural operations but this year the prizes had been awarded to teachers whose pupils had gained the largest number of prizes for such work. In other words, it was not the largest number of boys sent in by the teacher that would secure him a prize but the largest number of boys who actually competed and won prizes. These prizes had been won by Messrs Walcott, Williams, Mount Tabor Boys and Welches Combined School, Wesley Hall Boys School and St. Christopher Boys would also be rewarded for shoe brushes and net work respectively. In conclusion, he desired to thank the teachers for having done their best and for having brought their pupils such a journey to assist in making the Show the success it was. (Cheers).

This brought the function to a close.

INSPECTION AND FUMIGATION OF SEEDS, PLANTS, ETC.

For the year ending March 31st, 1924, 195 consignments of plants and seeds other than cotton seed were examined. Of these, seven packages of growing plants and cuttings had to be fumigated or disinfected and seventeen packages of plants had to be destroyed. During the year twenty-seven consignments of cotton seed amounting to 25,540 bags were fumigated.

INSECT PESTS AND FUNGOID DISEASES, ETC.

MOSAIC DISEASE.

Inspections under the provisions of the Mosaic Disease Eradication Act were commenced on November 12, 1923 and ended on May 31, after which time in any year according to the Act, no owner or occupier of any land on which mosaic disease is found can be compelled to dig up or destroy attacked sugar canes. During this period, the Inspector visited 126 estates and 346 small holdings. Of the former, 28 or 22.2 per cent were infected by the mosaic disease and of the latter 237 or 68.5 per cent. It may be mentioned that for the previous season inspections were carried on from August 14, 1922 to May 31, 1923, during which period visits were paid to 220 estates and to 485 peasants holdings. Of the former 57 or 25.9 per cent and of the latter, 258 or 53.2 per cent were infected by the disease. From this it will be seen that while there has been a slight reduction in the percentage of infection found on the estates, the percentage of infection found on the peasants holdings had increased.

As an explanation of this increase it may be stated that this year the Inspector confined his activities as regards the small holdings principally to the suburbs of Bridgetown where the disease is more prevalent than elsewhere. There is also a great deal more Guinea corn planted in this area than sugar-cane and it has been found that the former plant is much more susceptible to the mosaic disease than the sugar-cane. As a matter of fact, there will hardly be found a plot of ratoon Guinea corn in the suburbs of Bridgetown that is not infected by mosaic disease.

REPORT OF THE ASSISTANT DIRECTOR OF AGRICULTURE ON THE ENTOMOLOGICAL AND MYCOLOGICAL WORK CARRIED OUT DURING THE PERIOD UNDER REVIEW.

The writer assumed his duties as Assistant Director of Agriculture on August 29, 1923.

During the period under review the writer acted as Director of Agriculture from January 18 to February 28, 1924, while the Director of Agriculture was in Jamaica attending an Agricultural Conference.

The work with insect pests and fungoid diseases is summarized under the following headings:—

- (1) Inspection of imported plants and seeds and the fumigation of cotton seed.
- (2) Upkeep of collections.
- (3) Investigation of insect and fungoid attacks reported or observed.

INSPECTION OF IMPORTED PLANTS AND SEEDS AND THE FUMIGATION OF COTTON SEED.

The usual restrictions for the prevention of the introduction of foreign pests and diseases were enforced during the period under review. One hundred and ninety-five consignments of plants, seeds, etc. were inspected and seven packages of growing plants and cuttings had to be fumigated or disinfected, while seventeen packages of plants had to be destroyed.

Twenty-seven consignments of cotton seed amounting to 25,540 bags, imported for the extraction of oil, were fumigated with sulphur dioxide in the holds of the various vessels by means of pots and pans. In addition, thorough inspections were made of these cargoes of cotton seed before admission of the same was allowed.

UPKEEP OF COLLECTIONS.

(1) ENTOMOLOGICAL.

The Entomological collection was renewed in many instances with fresh specimens. Additions to the collection during the season were specimens of the pink bollworm of cotton, *Pectinophora gossypiella*, Busck.

(2) BOTANICAL.

In some cases old specimens of plants have been replaced by fresh specimens but no specimens of plants hitherto absent from the collection have been added.

INSECT ATTACKS REPORTED OR OBSERVED.

SUGAR-CANE.

There has been no improvement in the situation as regards the prevalence of the root borer, *Diaprepes abbreviatus*, Linn, and the brown hardback, *Lachnosterna smithi*, Arrow. Both pests did some damage in several instances.

The moth borer *Diatraea saccharalis*, Fabr., was found to be attacking the canes in most districts as usual.

It was mentioned in last year's report that an effort had been made to introduce certain larval parasites from Demerara which were referred to as *Iphiaulax medianus*, Cam., and *Iphiaulax* sp., but which in reality are not referable to that genus, there being four distinct species of two genera, viz: *Hymenoptera*, *Braconidae*.

Ipobracon grenadensis, Ashm.

Ipobracon puberulus, Szep.

Microdus distreae, Turn.

Microdus sp.

It is very much to be regretted that so far there is no evidence to show that these parasites have become established in the Island. A further attempt will be made to establish these parasites when opportunity arises.

COTTON.

It is very much to be regretted that the very serious pest of cotton, viz. the pink bollworm, *Pectinophora gossypiella*, Busck, was found to be established in several of the cotton growing districts during the season. The cotton grown in the parishes of St. Michael and St. James was more severely attacked than in the other parishes where the loss due to the attack of this pest was negligible.

In many places the attack of the cotton caterpillars *Alabama argillacea*, Hubn., and *Aletia luridula*, Guen. was very severe through neglect and failure to dust the plants effectively with Paris green, which remedial measure has proved entirely successful in checking the pest in several parallel cases.

The leaf blister mite, *Eriophyes gossypii*, Banks, was observed in several instances, especially in the latter part of the season, but at no time did the attack assume severe proportions.

During the period of severe drought Aphidæ appeared in large numbers and caused slight damage in certain localities, but the activities of the lace wing fly, *Chrysopa* sp., the red lady bird, *Cycloneda sanguinea*, L, and the spotted lady bird, *Megilla maculata*, De Geer, kept them in check.

MISCELLANEOUS TREES, PLANTS, ETC.

Coconut palm, (*Cocos nucifera*). Some coconut palms on the Hastings coast were found to be attacked by the following scale insects, viz., *Vinsonia stellifera*, Westn., *Diaspis boisduvalii*, Sign, and the coconut white fly (*Aleyrodicus cocois*). These insects may be controlled by spraying with whale oil soap or kerosene emulsion.

By far the most troublesome tree pest was the Cossid moth, *Duomitus punctifer*, Hamp. The larvæ of this moth have been observed to cause either the death of large branches or in some cases the entire tree. The trees most commonly attacked are the whitewood (*Tecoma leucoxydon*), avocado pear (*Persea gratissima*) the ebony (*Albizzia Lebbek*), the breadfruit (*Artocarpus incisa*) and the sapodilla (*Achras sapota*). The method of treatment has been outlined in previous annual reports. (Vide 1912-13).

Instances of garden plants being attacked by slugs have occurred. A method which may be adopted for the destruction of the slugs is to place old boards and wet sacks on the ground near the attacked plants. These serve as hiding places to which the slugs retreat in the early morning. In the daytime they may be found in such situations, collected on the end of a sharp pointed instrument, and destroyed.

Rose trees are frequently attacked by the grubs of the sugar-cane root borer, *Diaprepes abbreviatus*, Linn., and the grub of the brown hardback, *Lachnosterna smithi*, Arrow. It is advisable to dig up trees attacked by these grubs and search the soil underlying the plant roots to a depth of about three feet, and destroy any of the grubs that may be found. During the rainy season the adults, i.e. the beetles will be found at night on the leaves of the rose trees. The beetles should be collected and destroyed.

FUNGOID ATTACKS REPORTED OR OBSERVED.

Cotton. (*Gossypium barbadense*) Shortly before the "first picking" of cotton over 50 per cent of the bolls of the cotton trees in a certain field in an estate were found to be diseased, failing to reach maturity and thus causing a considerable loss. The disease was found to be due to the Anthracnose of cotton caused by the fungus *Glomerella gossypii*. Control of this disease may be carried out on the lines of selection for resistance and the use of clean seed.

Cucumber. (*Cucumis sativus*, Linn). An instance was recorded in which the leaves of a cucumber plant were covered with a white, dusty web-like coating of a fungus. On examination the fungus was found to be a member of the Erysipheae, probably *Sphaerotheca* sp.

It was recommended that affected plants be sprayed with Bordeaux mixture of the strength, 2 lb. copper sulphate, 2 lb. lime and 50 gallons water.

Citrus sp. An instance was recorded in which the twigs and small branches of a shaddock tree were infested with the "scaly bark" fungus, *Cladosporium herbarum* var. *citricola*.

Grape vine. (*Vitis vinifera*, Linn). An instance was recorded in which the flowers of the grape vine were infested by the fungi *Guignardia bidwelli* and a species of *Alternaria*. Also the grapes were infested with the fungi *Plasmopora viticola* and a species of *Glomerella*.

Rose trees. Several instances were brought to notice of the leaves of rose trees being infested with silvery mildew, due to the fungus *Sphaerotheca pannosa*. The method which is probably the best for controlling this fungus is to dust the plants with a mixture of two parts by volume of "flowers of sulphur" with one part of slaked lime. The mixture should be dusted from a powder gun, or shaken on to the plants from a muslin bag. The powder adheres best when the leaves are damp with dew or from the effects of a light shower. The treatment should be repeated every ten days until the trees are free from mildew.

Another method of treatment is to spray or wash the plants with a solution of "liver of sulphur," scientifically known as potassium sulphide. This may be made by dissolving 1 oz. of liver of sulphur, obtained from a chemist, in 3 (Imperial) gallons of water. A suitable vessel to use is an old kerosene tin that has been thoroughly freed from oil. The actual application of solutions with a garden spray presents some difficulty and may not give satisfactory results. It would probably be found far more satisfactory on a small scale to wipe carefully each of the diseased parts with a small sponge dipped in the above mentioned solution.

In addition to applying a fungicide, it is advisable to pick off and burn all dead leaves, dead buds, flowers or other parts killed or badly damaged by the disease, and to collect and burn fallen leaves lying beneath the trees.

C. C. SKEETE,
Asst. Director of Agriculture.

INFORMATION ON VARIOUS AGRICULTURAL MATTERS SUPPLIED TO THE PRESS.

Through the courtesy of the Editors of some of the local newspapers who, so far, have been always willing to render any assistance they can in these matters, the following subjects were brought to the notice of agriculturists :—

On September 8, 1923, calling attention to certain Regulations made under the Destructive Insect and Pest Act of Canada requiring persons desirous of sending plants to Canada to obtain a certificate from the Department of Agriculture stating that such plants have been duly examined and have been found apparently free from pests or disease.

On January 23, 1924, inviting applications for young trees grown at the Department of Agriculture for planting on Arbor Day and stating the conditions governing their distribution.

On January 29, 1924, informing the general public that owing to the presence of the Red Ring Disease of Coconuts in the Island of St. Vincent, all coconuts, coconut palms or parts thereof brought to the island from St. Vincent will be destroyed (in accordance with section 3 of the Order made by the Governor-in-Executive Committee of June 30, 1921 under sections 45 and 46 of the Trade Act 1910 (1910-6).

On February 13, 1924 informing the public that the Acting Director of Agriculture was willing to import onion seed from Teneriffe for those persons desirous of obtaining it for planting purposes.

On March 13, 1924 asking them to publish certain correspondence received from the Agricultural Superintendent of St. Lucia in connection with the proposed production of Castor and Coconut Oil at Castries.

SUGAR AND MOLASSES CROPS.

According to the Customs Returns, the exported sugar and molasses crops of 1923 were 43,498 tons of vacuum pan crystals, 5,562 tons of muscovado sugar and 6,359,158 wine gallons of molasses, equal at 110 gallons per puncheon, to 57,811 puncheons of molasses of all grades of the total value of £1,820,571 made up as follows :—

White Crystal sugar	1.5 tons valued at	£ 45
Dark " "	43,496.7 " " "	1,109,166
Muscovado " "	5,562 " " "	116,803
	49,060.2 " " "	1,226,014
Fancy Molasses	5,187,339 gallons " "	518,734
Choice " "	1,121,669 " " "	74,778
Vacuum Pan " "	50,150 " " "	1,045
	6,359,158 " " "	£1,820,571

Fancy molasses is concentrated cane juice from which most of the impurities have been removed, but owing to the impossibility in the ordinary muscovado sugar factories of concentrating each tayeche or painful of fancy molasses to the same density it is difficult to say how many gallons of this molasses are equivalent to a ton of muscovado sugar. However, from data obtained from various sources it would appear that 380 wine gallons of fancy molasses at 41° Beaumé are equivalent to one ton (2,240 lb.) of centrifugal muscovado sugar and 115 wine gallons of choice molasses. At this rate, the fancy molasses manufactured in 1923 is equivalent to 13,651 tons of sugar. The total sugar crop, therefore, if no fancy molasses had been made, would have been 62,711 tons, i.e. 11,637 tons more than the previous year. The above does not include the sugar consumed in the island, which is estimated to be about 8,000 tons.

COTTON CROPS.

For the "Cotton Year" i.e. from October 1922 to September 30, 1923, there were exported from 2,767 acres 773 bales of lint, weighing 397,711 lb. of the value of £36,106 15s. 11d. There were also exported sixty-six bales of linters weighing 34,631 lb. of the estimated value £2,174 18s. 10d. In addition, there were 978,452 lb. of seed, of the estimated value of £3,639 all of which was, with the exception of that used for planting purposes, manufactured locally into oil and undecorticated cotton seed meal. The total value of the cotton industry for the season 1922-23 was therefore £41,920 14s. 9d. It may be mentioned that for the previous year there were 1,092 acres of cotton which yielded 362 bales of lint weighing 200,104 lb. of the estimated value of £17,596.

METEOROLOGY

The following are summaries of the observations recorded at the Government Meteorological Station for the year 1923 the details of which are given in Appendix I.

Barometric Pressure. During 1923 the mean pressure, corrected for temperature and gravity and reduced to sea-level, was at 9 a. m. 29.978 and at 3 p. m. 29.905 inches; the highest recorded being 30.096 inches on February 5, and the lowest 29.732 inches on October 23. For the ten years 1913-22, the average barometric pressure was at 9 a. m. 29.956 inches and at 3 p. m. 29.887 inches. The highest pressure at 9 a. m. during the ten years was on August 19, 1919, when it was 30.112 inches, and the lowest at 3 p. m. on April 14, 1915 when it was 29.669.

Temperature. The mean maximum temperature for the year 1923 was 84.2°F. and the mean minimum 74.1°F. The maximum extreme for the year, which was 88.6°F. was registered on May 29, and the minimum extreme which was 64.0°F. was registered on March 3. The mean average temperature was 79.1°F., the highest monthly range for the year was 21.3°F. and the lowest was 16.5°F., the mean monthly range being 18.3°F. For the ten years 1913-1922 the average maximum temperature was 84.6°F., and the average minimum 73.4°F. The average maximum extreme during the ten years was 86.9°F., and the average minimum extreme 68.4°F., the average mean temperature was 79.1°F. and the average range 18.5°F. During the ten years the maximum extreme was 91.1°F. on August 24, 1919 and the minimum extreme 61.8°F. on March 28, 1917.

Tension of Vapour and Relative Humidity. The mean tension of vapour for the year 1923 was at 9 a. m. .689 and at 3 p. m. .673. For the ten years 1913-

1922 the average tension of vapour was at 9 a.m. '705 and at 3 p.m. '692. The mean relative humidity for the year 1923 was at 9 a.m. 65 and at 3 p.m. 62. For the ten years 1913-1922 the average relative humidity was at 9 a.m. 67 and at 3 p.m. 64.

Wind. The mean daily velocity of the wind during 1923 was 12.2 miles per hour, the maximum being 23.1 miles per hour on March 18, and the minimum 2.5 miles per hour on October 25. The average velocity for the ten years ended 1922 was 12.1 miles per hour.

Rainfall. The rainfall measured at the Government Meteorological Station during 1923 amounted to 36.04 inches. This fell on 141 days, the greatest fall being 2.55 inches on August 14, and the lowest, .01 of an inch, on January 23 and 24, March 8, and November 21. For the ten years 1913-1922 the average rainfall was 44.62 inches and the average number of days on which rain fell was 175.

Rainfall of the Island. The total mean rainfall for the year 1923 from 106 stations was 40.99 inches which fell on 149 days and was 20.18 inches below the average for the sixty years ended December 31, 1922, which was 61.17 inches. The details with respect to the number of days on which rain fell at each of the stations during each month of the year, the total rainfall for each month, and in a number of instances, the height of the rain gauge above sea-level are given in Appendix II.

JOHN R. BOVELL,
Director of Agriculture.

APPENDIX I.

METEOROLOGICAL REPORT FOR 1923.

DEPARTMENT OF AGRICULTURE, BARBADOS.

HEIGHT ABOVE SEA-LEVEL 181 FEET.

HEIGHT ABOVE SEA-LEVEL 181 FEET.																					
Months.	Barometric Pressure reduced to sea level, 32° Fahrenheit and corrected for gravity.				Temperatures.								Tension of Vapour.		R. Humidity.		Wind.	No. of days on which rain fell.			
	9 a.m.	3 p.m.	Mean.	Highest.	Lowest.	Maximum Mean.	Minimum Mean.	Maximum Extreme.	Minimum Extreme.	Maximum blackened ground 4 feet from ground in vacuo.	Range for month.	Low Point 9 a.m.	Low Point 3 p.m.	Mean.	3 p.m.	9 a.m.	3 p.m.		Mean.	Velocity, miles per hour.	Rainfall.
January	29.990	29.905	29.948	30.031	29.863	81.9	69.7	83.5	65.4	118.2	75.8	18.1	65.3	61.2	60.4	615	66.4	63.8	13.8	1.77	17
February	30.039	29.960	30.000	30.056	29.886	82.5	70.0	83.9	65.5	119.9	76.3	18.4	61.3	63.7	59.0	595	63.9	61.5	15.9	1.47	8
March	30.017	29.941	29.979	30.078	29.882	83.1	70.1	85.7	64.5	133.9	76.6	21.4	61.1	62.2	58.7	593	60.8	59.4	16.2	.95	11
April	29.999	29.916	29.958	30.068	29.839	84.0	70.5	85.7	65.5	140.7	77.3	17.7	63.8	63.1	40.9	415	60.7	59.1	13.7	1.69	11
May	29.985	29.911	29.948	30.063	29.839	86.6	72.4	88.6	67.7	118.4	73.5	16.6	65.3	65.1	4.21	424	58.4	56.2	13.6	.67	3
June	30.008	29.948	29.978	30.063	29.894	85.0	72.2	87.7	67.7	117.4	81.4	17.0	67.2	67.4	4.68	466	62.9	61.5	16.2	1.93	7
July	29.975	29.936	29.966	30.057	29.895	85.2	77.0	88.4	70.4	131.7	81.1	17.7	69.4	68.7	7.3	709	64.7	63.3	14.0	4.04	17
August	29.980	29.920	29.950	30.063	29.871	85.2	76.7	88.1	69.6	119.8	81.0	17.7	69.6	68.7	7.97	711	64.3	63.1	10.7	3.41	16
September	29.946	29.872	29.909	30.061	29.812	83.6	77.3	87.3	70.6	111.0	81.7	10.7	71.9	73.0	7.85	718	67.9	63.3	9.5	4.44	15
October	29.924	29.841	29.884	30.009	29.732	85.9	77.0	87.8	70.9	134.7	81.0	16.0	72.6	71.5	7.84	730	73.3	68.5	7.4	3.00	14
November	29.911	29.837	29.879	29.982	29.793	83.4	76.0	86.8	68.5	140.3	81.2	17.3	70.8	71.4	7.60	735	68.8	70.1	7.2	3.47	11
December	29.957	29.874	29.916	30.022	29.794	84.9	75.0	85.3	68.8	144.3	79.5	14.3	69.9	69.6	7.28	736	71.5	71.5	9.9	5.29	11
	359.741	358.864	359.315	360.596	358.103	101.01	88.59	101.81	81.86	180.55	94.7	24.9	81.6	80.8	8.07	843	73.6	76.7	14.7	36.01	141
29.978		29.905	29.943	30.050	29.842	84.2	74.1	86.5	68.2	116.3	79.1	18.3	67.9	67.2	.673	.681	63.3	62.4	12.2	3.00	12

BARBADOS RAINFALL

FROM

JANUARY TO DECEMBER

1923.

APPEN

BARBADOS RAINFALL FROM

Name of Station.	Elevation.	January.		February.		March.		April.		May.		June.		
	Feet.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	
I. DISTRICT "A"														
ST. MICHAEL.														
Lowlands.														
Lower Estate ...	237	11	2·53	9	2·27	13	2·06	9	2·10	4	1·21	9	2·99	
Haggatt Hall ...	52	16	1·98	12	2·02	12	1·76	7	1·45	5	·50	10	1·76	
Clapham ...	216	5	1·20	10	2·16	8	·85	5	1·27	5	·54	2	1·30	
Government House ...	90	13	1·88	12	2·11	13	1·00	8	·81	8	·61	10	2·61	
District "A" Police Station	97	17	1·61	15	1·91	18	1·44	10	1·07	6	·60	10	1·81	
Central Police Station	...	11	1·06	11	1·70	13	1·09	11	1·24	4	·44	5	1·97	
Grazettes ...	...	14	1·75	8	1·03	11	·76	8	1·07	3	·49	6	1·26	
Dayrells ...	...	17	3·47	10	2·23	11	1·32	8	·97	3	·83	9	1·60	
Waterford ...	...	11	1·15	12	1·14	15	·90	10	1·26	3	·35	6	1·27	
Windsor Cot ...	...	19	1·91	15	2·32	17	1·52	13	1·51	7	·50	11	2·32	
Warrens ...	...	15	2·75	16	2·44	12	1·50	6	1·38	3	·87	7	2·42	
Neils ...	...	15	2·20	11	1·72	12	1·85	9	2·30	2	·45	6	2·29	
Cane Wood ...	...	14	2·18	7	1·22	10	·84	8	·72	2	·63	8	2·06	
Codrington House ...	...	17	1·77	8	1·47	11	·95	11	1·69	3	·67	7	1·93	
Penlee ...	...	11	1·50	12	1·85	11	·88	7	1·02	5	·52	9	2·01	
		206	206	28·91	168	27·59	187	18·72	130	19·86	63	9·21	115	29·60
		13·73	13·73	1·93	11·20	1·84	12·47	1·25	8·67	1·32	4·20	·61	7·67	1·97
II. DISTRICT "B"														
CHIRST CHURCH.														
Lowlands.														
Woodbourne ...	150	13	2·87	10	2·26	9	1·52	6	·98	5	·81	6	1·79	
Seawell ...	...	13	2·42	10	1·48	7	·64	8	1·15	9	·60	5	1·12	
Hannays ...	...	13	2·78	8	2·24	7	1·12	9	1·45	6	·73	8	2·00	
Coverley ...	254	10	2·57	7	2·03	5	1·06	8	1·53	4	·32	6	1·85	
Searles ...	283	15	3·43	13	2·80	17	2·13	8	1·60	8	·77	9	2·13	
Lower Greys ...	...	13	2·89	8	1·86	8	1·11	8	2·04	6	·76	8	2·51	
Bentley ...	169	19	2·92	12	1·93	15	1·30	11	2·12	8	·82	9	1·98	
Rosebank ...	...	19	1·66	13	1·81	13	1·28	10	1·53	11	·62	9	2·07	
Isleworth (Hastings) ...	...	12	1·42	12	1·48	21	1·05	8	1·30	5	·54	6	1·81	
Frere Pilgrim ...	...	17	2·92	10	2·75	10	1·59	12	2·95	7	·74	10	2·49	
Graeme Hall ...	...	12	1·64	9	1·61	12	·64	6	·88	5	·26	4	1·08	
Yorkshire ...	...	12	2·62	9	2·60	12	1·45	7	1·41	8	·72	6	1·89	
		168	30·14	121	24·25	136	14·89	101	18·94	82	7·69	86	22·72	
		14·00	2·51	10·08	2·07	11·33	1·	8·42	1·58	6·84	·64	7·17	1·90	

DIX II.
JANUARY TO DECEMBER 1923.

July.		August.		September.		October.		November.		December.		Totals.	
Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
12	4.78	12	6.70	16	8.20	11	5.19	14	6.31	12	5.29	132	49.63
13	3.79	11	4.38	14	6.01	12	5.17	10	4.67	11	4.97	133	38.37
12	3.03	16	4.28	9	5.49	13	6.33	8	3.31	8	4.49	101	34.25
15	3.47	12	4.68	16	6.09	13	6.83	18	4.12	15	4.51	153	33.72
19	3.25	15	4.42	16	5.18	14	5.62	14	5.29	13	3.87	167	36.07
17	3.46	13	4.21	14	5.20	16	6.31	13	3.56	13	4.39	141	34.63
14	3.64	15	4.70	12	4.42	10	4.29	9	3.12	11	5.04	121	31.57
16	4.21	11	3.31	11	4.14	12	4.01	10	4.23	13	5.30	131	35.62
18	3.32	13	4.52	15	5.26	14	4.93	12	3.76	11	3.89	140	31.75
19	3.51	16	4.83	18	5.78	15	5.72	14	5.06	17	4.30	181	39.28
14	5.09	12	6.42	12	6.62	9	3.83	12	6.19	9	5.97	127	45.48
16	4.82	17	5.77	14	6.26	12	4.99	13	4.71	11	4.34	138	41.61
14	3.55	13	4.60	10	4.52	12	3.20	12	5.00	13	5.33	123	34.05
17	4.04	16	5.41	15	4.44	14	5.00	11	3.47	11	5.20	141	36.04
16	4.18	14	3.99	15	5.50	12	6.45	15	1.86	15	4.56	142	34.32
232	58.05	206	72.22	207	83.11	189	77.78	185	61.66	183	71.65	2071	561.39
15.46	3.87	13.73	4.82	13.80	5.54	12.60	5.19	12.34	4.31	12.20	4.78	138.07	37.43
13	4.32	14	5.64	14	5.61	14	4.55	14	3.07	19	8.01	137	41.46
16	3.79	15	4.62	14	5.06	12	4.53	11	1.65	14	5.98	134	33.04
17	4.86	10	5.44	17	7.98	14	4.99	13	3.36	16	7.93	138	44.88
16	4.51	11	4.82	10	6.50	10	5.95	11	1.73	9	5.08	107	37.95
17	4.60	19	5.58	19	6.96	17	6.17	14	3.91	16	5.66	172	44.84
16	4.67	11	5.43	16	7.62	15	5.04	13	4.57	16	7.16	138	45.66
15	3.93	14	5.89	17	6.23	17	4.60	16	3.97	17	8.06	170	43.75
19	4.58	18	3.73	13	5.92	17	6.48	15	3.80	16	4.37	173	37.85
16	4.40	13	3.20	15	5.41	12	5.80	14	3.80	12	3.39	146	33.60
16	5.26	13	5.46	13	7.88	13	6.94	17	4.98	19	5.70	157	49.66
15	2.98	14	3.14	11	5.30	14	4.95	13	3.56	11	3.91	126	29.95
12	4.11	12	5.26	15	7.67	15	5.13	16	2.92	20	6.90	144	42.68
188	52.01	164	58.21	174	78.17	170	65.13	167	40.42	185	72.15	1742	485.32
15.67	4.33	13.67	4.85	14.50	6.51	14.17	5.43	13.91	3.37	15.41	6.01	145.17	40.44

BARBADOS RAINFALL FROM

Name of Station.	Elevation. Feet.	January.		February.		March.		April.		May.		June.	
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
ST. GEORGE. Highlands.													
Ashbury	...	18	3.12	10	2.57	15	1.96	7	.86	4	.73	11	2.23
Cottage	720	22	4.61	13	2.87	17	2.03	9	1.41	5	1.29	10	2.95
Woodland	...	19	3.98	14	2.58	17	2.56	14	1.89	7	1.41	13	3.28
Ellesmere	...	20	3.54	10	2.06	12	1.44	7	1.33	5	1.42	9	2.15
Golden Ridge	...	17	3.60	14	3.45	15	2.36	12	1.62	4	1.18	12	2.80
		96	18.85	61	13.53	76	10.35	49	7.11	25	6.03	55	13.41
		19.20	3.77	12.20	2.71	15.20	2.07	9.80	1.42	5.00	1.21	11.00	2.68
ST. GEORGE. Lowlands.													
Salters	...	12	2.31	10	2.01	13	2.00	10	2.30	4	.51	6	2.50
Byde Mill	...	14	2.62	10	1.96	13	1.50	11	1.35	6	.94	9	2.52
Brighton	...	10	2.03	8	1.84	9	1.69	8	1.59	7	.96	6	2.09
District "B" Police Station	...	16	2.82	15	2.29	16	1.35	14	2.52	10	.90	12	2.39
Frenches	...	15	2.75	8	1.83	12	1.31	11	1.32	6	.83	7	1.98
		67	12.53	51	9.93	63	7.85	54	9.08	33	4.14	40	11.48
		13.40	2.51	10.20	1.99	12.60	1.57	10.80	1.82	6.60	.83	8.00	2.30
III. DISTRICT "C." ST. PHILIP. Highlands.													
District "C" Police Station	505	19	2.90	10	1.70	13	1.10	10	1.16	6	.88	10	1.80
		19.00	2.90	10.00	1.70	13.00	1.10	10.00	1.16	6.00	.88	10.00	1.80
ST. PHILIP. Lowlands.													
Fortescue	150	15	1.74	6	1.51	9	.89	5	1.07	3	.61	7	1.67
Thicket	243	15	2.61	9	1.88	11	1.07	7	1.16	4	.85	6	2.34
Bushy Park	161	13	2.20	8	1.33	10	.89	8	.98	4	.59	4	1.90
Oughterson	291	17	3.71	13	1.85	9	1.51	6	1.41	3	1.10	8	2.56
Government Industrial School	210	17	3.40	14	2.05	13	1.54	11	1.12	6	.86	10	2.12
Sunbury	160	13	2.56	11	1.92	15	1.46	14	1.65	9	.84	7	1.73
Hampton	103	10	2.32	10	1.75	10	1.35	5	1.06	4	.90	7	1.74
Carrington	110	13	2.73	11	2.36	13	1.60	10	1.41	10	.89	9	2.09
Chapel	228	18	3.01	13	1.76	11	1.22	11	1.53	4	.81	7	2.33
Edgecumbe	207	13	2.53	11	2.19	8	.70	8	1.73	5	.76	6	2.19
Foursquare	...	10	2.47	7	2.01	7	1.28	2	.49	3	.79	3	1.56
Summervale	...	13	3.51	8	1.76	11	1.10	8	1.13	4	.85	11	2.21
Palmer	...	17	2.26	6	1.54	6	.94	5	.99	3	.70	5	1.57
Ruby	...	6	1.67	5	1.22	8	1.23	4	.60	3	.63	4	1.60
		190	36.72	132	25.13	141	16.78	104	16.33	65	11.18	94	27.61
		13.57	2.62	9.43	1.80	10.07	1.20	7.43	1.17	4.64	.80	6.71	1.97

JANUARY TO DECEMBER 1923.

July.		August.		September.		October.		November.		December.		Totals.	
Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
19	4.97	19	4.19	18	3.65	17	3.80	13	4.36	23	9.72	174	42.16
19	6.98	16	4.55	16	5.85	16	5.18	13	4.67	18	8.29	174	50.78
21	5.94	19	4.54	18	3.93	21	5.18	15	4.76	18	10.55	196	50.60
18	5.70	10	3.19	16	4.30	18	4.84	15	4.34	21	8.64	161	42.95
17	7.05	11	3.99	13	3.96	16	5.64	15	4.51	19	7.29	165	47.45
94	30.64	75	20.46	81	21.69	88	24.64	71	22.64	99	44.59	870	233.94
18.80	6.13	15.00	4.09	16.20	4.34	17.60	4.92	14.20	4.53	19.80	8.92	174.00	46.79
15	4.48	12	5.12	10	5.91	10	4.35	12	4.34	11	4.38	125	40.21
19	4.17	14	4.49	15	4.97	16	4.49	12	4.78	16	9.87	155	43.66
8	4.18	10	4.87	13	5.85	14	4.10	10	4.56	13	6.73	116	40.49
19	5.18	17	5.52	20	7.65	19	6.05	15	5.19	18	5.84	191	47.70
15	3.81	13	4.79	14	5.53	12	3.73	13	4.20	16	9.08	142	41.16
76	21.82	66	24.79	72	29.91	71	22.72	62	23.07	74	35.90	729	213.22
15.20	4.36	13.20	4.96	14.40	5.98	14.20	4.54	12.40	4.61	14.80	7.18	145.80	42.65
16	3.36	19	3.76	17	3.63	15	4.07	14	3.09	16	10.85	165	38.30
16.00	3.36	19.00	3.76	17.00	3.63	15.00	4.07	14.00	3.09	16.00	10.85	165.00	38.30
9	3.33	8	2.52	12	3.60	12	3.66	8	2.96	13	10.57	107	34.13
15	4.34	11	3.02	10	3.63	11	3.98	9	4.93	12	10.61	120	40.42
14	3.55	15	4.20	12	4.54	15	3.76	12	3.91	11	9.44	126	37.29
13	4.15	15	3.88	16	4.59	14	4.16	13	3.81	13	9.72	140	42.45
20	3.66	16	4.15	17	5.32	18	3.93	13	3.76	13	10.82	168	42.73
15	3.53	15	4.94	14	4.90	14	3.83	10	3.01	16	10.79	153	41.16
13	4.11	13	5.40	14	5.91	13	4.24	11	2.70	17	10.02	127	41.50
14	4.18	15	5.94	15	5.62	16	4.25	10	3.46	16	9.61	152	44.14
16	4.04	14	4.75	13	5.52	17	4.53	11	4.24	16	11.19	151	45.23
13	3.13	13	5.08	13	5.33	13	4.11	10	3.62	18	8.65	131	40.02
11	3.97	11	5.41	11	6.06	10	4.23	6	2.35	11	10.79	92	41.41
13	3.81	15	4.24	16	4.69	15	4.24	13	3.94	15	11.63	142	43.11
15	3.94	9	2.63	8	2.79	11	3.72	9	2.88	13	8.77	107	32.73
12	2.95	10	4.07	11	4.43	11	3.36	10	3.80	10	9.78	94	35.34
193	52.69	180	60.23	182	66.93	190	56.00	145	49.37	194	142.69	1810	561.66
13.79	3.76	12.86	4.30	13.00	4.78	13.57	4.00	10.36	3.53	13.86	10.19	129.29	40.12

BARBADOS RAINFALL FROM

Name of Station.	Elevation.	January.		February.		March.		April.		May.		June.	
	Feet.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
ST. JOHN. Highlands.													
Colleton ...	767	17	3.12	10	2.61	10	1.75	7	1.43	5	.51	6	2.57
Cliff ...	332	17	3.77	9	2.29	11	2.19	9	1.37	3	1.10	11	2.82
Ashford ...	606	12	2.83	7	1.31	8	2.08	3	.94	4	.91	8	2.98
Pool ...	716	19	3.61	7	2.86	11	2.53	9	2.32	5	.94	9	3.79
Henley ...	553	20	3.82	12	2.68	13	2.46	10	1.25	6	1.48	12	2.77
Wakefield ...	707	19	3.14	12	2.45	15	2.04	12	1.62	12	1.14	18	2.91
Kendal ...	544	22	4.20	13	2.59	15	2.27	9	1.58	4	1.13	8	2.92
Claybury ...	...	8	3.74	10	2.82	8	2.13	9	1.87	5	.81	9	3.53
Clifton Hall ...	...	16	2.99	10	1.93	11	2.10	7	1.31	6	.59	8	3.48
Lemon Arbor ...	720	18	3.71	12	3.11	14	2.12	8	1.78	3	1.13	8	3.40
Haynes Hill ...	...	17	3.49	13	2.41	9	2.04	6	1.29	6	.67	9	2.27
		185	38.42	115	27.66	125	23.71	89	16.76	59	10.41	106	33.44
		16.82	3.49	10.45	2.51	11.36	2.16	8.09	1.52	5.36	.95	9.64	3.04
ST. JOHN. Lowlands.													
College ...	...	12	2.41	6	1.20	10	1.46	4	1.11	3	.41	5	1.73
Newcastle ...	...	15	2.21	13	1.39	11	1.77	8	1.69	4	.38	11	3.46
		27	4.62	19	2.59	21	3.23	12	2.80	7	.79	16	5.19
		13.50	2.31	9.50	1.30	10.50	1.62	6.00	1.40	3.50	.39	8.00	2.59
IV. DISTRICT "D."													
ST. THOMAS. Highlands.													
Mount Wilton ...	...	18	3.81	12	3.17	14	3.05	14	2.36	7	.62	15	4.21
Lion Castle ...	...	21	3.60	14	3.31	18	2.37	11	1.26	6	.77	14	3.60
District "D" Police Station ...	...	22	3.62	18	3.19	22	2.68	14	1.40	7	.56	15	2.71
Farmers ...	...	13	3.24	6	2.23	13	2.38	12	2.18	5	.39	10	3.59
Cane field ...	...	18	5.06	13	3.83	14	3.92	15	3.17	8	.95	12	6.48
Bloomsbury ...	...	19	3.97	14	2.80	16	2.93	14	2.40	8	.91	12	3.74
Vauchuse ...	...	18	3.44	9	2.40	12	2.22	8	1.18	3	.41	9	3.00
Highland ...	...	23	4.31	18	3.63	21	3.21	18	2.53	8	.98	17	4.78
		152	31.05	104	24.56	130	22.76	106	16.48	52	5.59	164	32.11
		19.00	3.88	13.00	3.07	16.25	2.85	13.25	2.06	6.50	.70	13.00	4.01

JANUARY TO DECEMBER 1923.

July.		August.		September.		October.		November.		December.		Totals.	
Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
16	4.46	16	3.93	16	3.96	13	5.85	13	4.54	22	10.02	151	44.75
17	6.20	12	3.63	14	3.83	13	4.45	11	3.94	15	10.65	142	46.24
17	5.52	11	3.27	13	3.78	12	3.96	14	5.07	17	10.07	126	43.32
18	5.49	12	3.92	15	4.08	14	4.95	11	4.96	26	9.51	156	48.96
19	6.51	16	4.12	16	4.50	18	4.37	13	3.51	16	9.28	171	46.75
20	4.81	17	4.38	20	4.08	18	5.10	15	3.95	20	8.42	198	44.04
17	5.90	18	4.17	18	4.42	21	4.88	14	4.38	17	10.60	176	49.04
17	7.52	13	5.40	11	3.59	10	5.18	11	4.99	20	10.54	131	52.12
14	4.67	10	4.65	12	3.47	9	5.47	9	3.55	16	8.26	128	42.47
19	7.55	12	4.19	14	3.41	16	6.01	15	5.12	23	11.11	162	52.64
15	4.89	12	3.83	14	3.83	13	5.13	13	4.62	18	9.28	145	43.75
189	63.52	149	45.49	163	42.95	157	55.35	139	48.63	210	107.74	1686	514.08
17-18	5.78	13-55	4.14	14-82	3.90	14-27	5.03	12-64	4.42	19-09	9.79	153-27	46.73
12	3.42	14	3.49	13	4.06	12	4.25	8	4.32	11	8.26	110	36.12
21	4.86	15	4.63	14	4.11	11	4.20	11	3.98	23	8.07	157	40.75
33	8.28	29	8.12	27	8.17	23	8.45	19	8.30	34	16.33	267	76.87
16-50	4.14	14-50	4.06	13-50	4.09	11-50	4.22	9-50	4.15	17-00	8.17	133-50	38.44
17	6.49	17	5.58	17	3.72	13	5.58	15	3.27	21	8.45	180	50.31
21	5.91	18	5.71	20	3.52	15	4.66	13	3.15	21	10.67	192	48.53
21	5.55	19	5.13	20	4.21	14	4.29	15	4.65	25	11.04	212	49.03
20	4.38	13	4.71	18	3.55	12	4.06	14	3.30	18	7.79	154	41.80
19	7.59	15	6.73	18	4.63	15	6.85	13	4.09	19	12.80	179	66.10
18	5.60	16	4.99	17	3.71	14	4.78	14	2.69	22	10.09	184	48.61
16	6.42	12	4.96	17	4.68	12	4.51	13	5.16	18	9.16	147	47.54
20	6.61	17	5.80	22	4.50	15	5.29	16	3.15	21	12.02	216	56.81
152	48.55	127	43.61	149	32.52	110	40.02	113	29.46	165	82.02	1464	408.73
19-00	6.07	15-88	5.45	18-62	4.07	13-75	5.00	14-12	3.68	20-63	10.25	183-00	51.09

BARBADOS RAINFALL FROM

Name of Station.	Elevation.	January.		February.		March.		April.		May.		June.	
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
	Feet.												
ST. THOMAS.													
<i>Lowlands.</i>													
Hopewell ...	...	26	3.69	19	3.16	26	2.37	16	1.55	6	.55	16	3.18
Welches ...	...	11	2.25	12	2.62	14	1.80	7	.52	2	.61	6	1.96
Bennetts...	...	23	3.65	11	3.27	16	2.33	7	1.16	6	.65	13	3.95
Bagatelle ...	...	12	2.24	7	1.36	10	1.52	4	.75	3	.53	4	2.05
Strong Hope ...	...	16	4.86	9	2.85	4	1.37	7	1.67	4	.76	5	3.20
		88	16.19	58	13.26	70	9.39	41	5.65	21	3.10	44	14.34
		17.60	3.24	11.60	2.65	14.00	1.88	8.20	1.13	4.20	.62	8.60	2.87
ST. JAMES.													
<i>Highland.</i>													
Apes Hill ...	...	15	3.53	10	2.95	11	2.60	9	1.93	3	.50	10	4.20
		15.00	3.53	10.00	2.95	11.00	2.60	9.00	1.93	3.00	.50	10.00	4.20
ST. JAMES.													
<i>Lowlands.</i>													
Blowers ...	...	23	3.25	16	2.54	18	2.37	12	1.50	7	.39	18	3.98
Holetown Police Station ...	...	23	2.50	19	2.25	16	1.72	11	.80	6	.44	14	2.65
Mount Standfast ...	...	14	2.89	12	1.86	9	1.08	8	.63	6	.25	11	2.89
Trents ...	...	21	2.14	8	1.86	6	.77	5	.52	4	.35	9	2.68
Westmoreland ...	...	14	3.50	9	2.30	8	1.62	8	1.35	9	.29	8	2.97
Lancaster ...	413	24	3.24	18	2.84	11	1.87	11	1.59	7	.49	10	3.13
Norwood...	...	16	3.31	11	2.49	6	1.55	3	1.06	3	.67	6	2.91
Husbands ...	...	12	1.53	10	1.34	13	1.55	5	.71	4	.64	5	1.76
Oxnards ...	...	15	1.19	11	1.22	12	.80	6	.53	4	.64	5	1.58
		162	23.55	114	18.70	99	13.33	69	8.74	50	4.16	86	24.55
		18.00	2.62	12.67	2.08	11.00	1.48	7.66	.97	5.56	.46	9.56	2.73
V. DISTRICT "E."													
ST. PETER.													
<i>Highlands.</i>													
Nicholas Abbey ...	824	10	2.67	6	1.92	6	1.21	5	1.28	6	1.24	5	2.61
Oxford ...	836	16	2.20	15	2.58	12	1.29	8	1.03	10	1.33	12	3.07
Orange Hill ...	...	15	2.71	14	3.10	11	1.69	6	.74	3	.30	12	2.82
Mangrove ...	...	15	2.28	10	1.90	11	1.52	12	1.47	5	.31	13	2.97
Castle ...	700	17	2.13	15	2.56	7	.75	8	.89	8	.87	7	2.14
Ebworth...	...	16	3.71	12	3.02	10	1.54	9	1.51	5	1.28	6	3.51
Rock Hall ...	...	17	3.32	10	2.61	8	1.86	7	1.57	7	.41	13	3.64
Portland...	...	17	4.16	15	3.69	9	1.17	8	1.34	6	1.37	10	3.00
		123	23.18	97	21.38	74	11.03	63	9.33	50	7.11	78	23.76
		15.37	2.90	12.13	2.67	9.25	1.38	7.87	1.23	6.25	.89	9.75	2.97

JANUARY TO DECEMBER 1923.

July.		August.		September.		October.		November.		December.		Totals.	
Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
21	6·57	20	5·09	22	4·16	17	4·19	17	4·03	25	7·98	231	46·52
14	4·18	9	5·85	13	5·22	11	3·31	9	4·19	11	6·81	119	39·32
18	5·79	15	4·64	15	3·71	10	3·36	11	4·74	21	8·53	166	45·78
15	4·85	11	4·46	11	4·92	12	3·70	7	5·05	16	7·14	112	38·57
15	6·47	9	5·03	11	4·04	11	4·76	9	5·22	15	7·60	115	47·33
83	27·86	64	25·07	72	22·05	61	19·32	53	23·23	88	38·06	743	217·52
16·60	5·57	12·30	5·01	14·40	4·41	12·20	3·86	10·60	4·65	17·60	7·61	148·60	43·50
18	6·40	14	4·32	17	4·17	14	4·55	12	3·73	19	8·85	152	47·73
18·00	6·40	14·00	4·32	17·00	4·17	14·00	4·55	12·00	3·73	19·00	8·85	152·00	47·73
19	5·72	16	5·72	19	4·63	17	4·54	14	4·68	22	8·12	201	47·44
21	4·86	14	5·19	20	4·47	15	3·99	11	4·43	21	7·55	191	40·85
15	4·09	12	5·08	15	4·47	11	4·05	13	4·68	18	6·00	144	38·02
15	4·18	10	4·95	15	4·17	12	3·43	14	4·88	14	6·65	133	36·58
17	5·98	10	5·26	11	3·31	11	4·40	14	4·38	19	6·09	138	41·45
16	5·52	12	5·22	18	4·18	14	3·85	14	4·50	19	7·79	174	44·22
13	5·10	10	4·73	13	3·91	10	3·57	11	4·68	20	7·14	122	41·12
13	3·48	11	5·12	12	4·46	12	3·03	9	3·70	9	4·79	115	32·11
16	3·03	14	5·39	11	3·83	12	2·99	12	4·28	14	4·74	132	30·22
145	41·96	109	46·66	134	37·43	114	33·85	112	40·21	156	58·87	1350	352·01
16·11	4·66	12·11	5·18	14·89	4·16	12·67	3·76	12·44	4·47	17·33	6·54	150·00	39·11
14	5·00	8	2·55	12	3·23	10	2·56	8	2·94	16	7·27	106	34·48
19	6·06	10	3·95	21	4·35	16	3·12	14	3·57	18	6·73	171	39·28
16	4·67	16	2·87	18	3·66	11	3·67	18	3·97	18	7·03	158	37·23
20	5·50	15	4·26	17	3·80	11	4·23	17	3·83	18	5·30	164	37·37
17	5·18	10	2·09	17	3·77	16	2·78	12	3·58	18	6·85	152	33·59
16	6·97	14	4·90	15	4·12	10	3·64	13	4·17	16	8·24	142	46·61
18	5·67	13	3·73	12	3·22	11	3·69	13	4·73	18	7·68	147	42·13
19	5·60	14	3·66	17	3·23	16	3·12	13	3·59	20	6·75	164	40·68
139	44·65	100	28·01	129	29·38	101	26·81	108	30·38	142	55·85	1204	311·37
17·38	5·58	12·50	3·50	16·12	3·67	12·65	3·35	13·50	3·80	17·75	6·98	150·50	38·92

BARBADOS RAINFALL FROM

Name of Station.	Elevation.	January.		February.		March.		April.		May.		June.	
	Feet.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
ST. PETER. Lowlands.													
District "E" Police	...	17	2.71	18	2.72	14	1.38	10	.94	7	.52	13	2.73
Station	...	13	2.18	13	2.54	10	.89	9	.89	5	.50	8	2.47
Heywoods	50	30	4.89	31	5.26	24	2.27	19	1.83	12	1.02	21	5.20
		15.00	2.45	15.50	2.63	12.00	1.14	9.50	.92	6.00	.51	10.50	2.60
ST. LUCY. Lowlands.													
Lamberts	350	14	1.85	16	2.64	8	1.02	8	.88	8	.94	9	2.75
Pickerings	71	14	2.25	16	2.58	8	1.03	6	.80	6	.75	6	2.94
Husbands	184	13	1.76	12	2.10	13	1.26	9	.57	7	.39	12	2.91
Cove	...	4	.96	8	2.60	3	.68	3	.80	5	.65	4	2.24
		45	6.82	52	9.92	32	3.99	26	3.05	26	2.73	31	10.84
		11.25	1.71	13.00	2.48	8.00	1.00	6.50	.77	6.50	.68	7.75	2.71
VI. DISTRICT "F."													
ST. JOSEPH. Highlands.													
Blackmans	910	17	3.61	15	2.81	14	3.03	13	1.63	6	1.15	11	3.26
District "F" Police	...	19	4.11	13	2.95	18	2.89	15	2.99	4	.61	14	5.77
Station	966	36	7.72	28	5.76	32	5.92	28	4.62	10	1.76	25	9.03
		18.00	3.86	14.00	2.88	16.00	2.96	14.00	2.31	5.00	.88	12.50	4.52
ST. ANDREW. Highland.													
Cleland	...	11	3.20	9	2.57	10	1.66	4	1.41	9	.82	12	2.77
		11.00	3.20	9.00	2.57	16.00	1.66	4.00	1.41	9.00	.82	12.00	2.77
ST. ANDREW. Lowland.													
Greenland	...	10	1.94	8	1.52	4	1.05	2	.60	2	.24	4	2.37
		10.00	1.94	8.00	1.52	4.00	1.05	2.00	.60	2.00	.24	4.00	2.37

JANUARY TO DECEMBER 1923.

July.		August.		September.		October.		November.		December.		Totals.	
Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
15	5.07	17	4.23	18	5.85	11	2.90	12	4.74	15	5.38	167	39.17
14	4.86	12	3.66	13	5.41	10	2.81	10	4.97	16	5.74	133	36.92
29	9.93	29	7.89	31	11.26	21	5.71	22	9.71	31	11.12	300	76.09
14.50	4.96	14.50	3.95	15.50	5.63	10.50	2.85	11.00	4.85	15.50	5.56	150.00	38.05
15	4.87	13	2.12	16	4.87	15	3.23	12	3.67	18	6.65	152	35.49
16	4.92	11	2.32	15	4.40	12	2.19	11	4.08	15	5.91	136	34.17
20	5.21	13	5.88	19	3.99	17	2.12	11	2.73	18	5.97	164	34.89
14	4.60	8	2.30	13	5.07	9	2.76	4	1.50	7	4.66	82	28.82
65	19.60	45	12.62	63	18.33	53	10.30	38	11.98	58	23.19	534	133.37
16.25	4.90	11.25	3.16	15.75	4.58	13.25	2.57	9.50	2.99	14.50	5.79	133.50	33.34
17	5.52	11	4.99	15	3.44	13	5.47	15	3.38	21	7.20	168	45.49
22	6.44	17	5.09	22	4.08	14	4.03	13	4.55	19	8.18	190	51.69
39	11.96	28	10.08	37	7.52	27	9.50	28	7.93	40	15.38	358	97.18
19.50	5.98	14.00	5.04	18.50	3.76	13.50	4.75	14.00	3.96	20.00	7.69	179.00	48.59
17	4.66	15	3.06	15	2.96	13	3.08	15	3.50	18	8.23	148	37.92
17.00	4.66	15.00	3.06	15.00	2.96	13.00	3.08	15.00	3.50	18.00	8.23	148.00	37.92
12	3.77	6	1.77	14	2.60	8	2.52	14	3.11	17	7.31	101	28.80
12.00	3.77	6.00	1.77	14.00	2.60	8.00	2.52	14.00	3.11	17.00	7.31	101.00	28.80

SUMMARY OF BARBADOS RAINFALL

Name of Station.	No. of Stations.	January.		February.		March.		April.		May.		June.	
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
I. DISTRICT "A."													
ST. MICHAEL.													
Lowlands ...	15	13.73	1.93	11.20	1.84	12.47	1.25	8.67	1.32	4.20	.61	7.67	1.97
II. DISTRICT "B."													
(a) CHRIST CHURCH.													
Lowlands ...	12	14.00	2.51	10.08	2.07	11.23	1.24	8.42	1.58	6.84	.64	7.17	1.90
(b) ST. GEORGE.													
Highlands ...	5	19.20	3.77	12.20	2.71	15.20	2.07	9.80	1.42	5.00	1.21	11.00	2.68
(b) ST. GEORGE.													
Lowlands ...	5	13.40	2.51	10.20	1.99	12.60	1.57	10.80	1.82	6.60	.83	8.00	2.30
III. DISTRICT "C."													
(a) ST. PHILIP.													
Highlands ...	1	19.00	2.90	10.00	1.70	13.00	1.10	10.00	1.16	6.00	.88	10.00	1.80
(a) ST. PHILIP.													
Lowlands ...	14	13.57	2.62	9.43	1.80	10.07	1.20	7.43	1.17	4.64	.80	6.71	1.97
(b) ST. JOHN.													
Highlands ...	11	16.82	3.49	10.45	2.51	11.36	2.16	8.09	1.52	5.36	.95	9.64	3.04
(b) ST. JOHN.													
Lowlands ...	2	13.50	2.31	9.50	1.30	10.50	1.62	6.00	1.40	3.50	.39	8.00	2.59
IV. DISTRICT "D."													
(a) ST. THOMAS.													
Highlands ...	8	19.00	3.88	13.00	3.07	16.25	2.85	13.25	2.06	6.50	.70	13.00	4.01
(a) ST. THOMAS.													
Lowlands ...	5	17.60	3.24	11.60	2.65	14.00	1.88	8.20	1.13	4.20	.62	8.80	2.87
(b) ST. JAMES.													
Highlands ...	1	15.00	3.53	10.00	2.95	11.00	2.60	9.00	1.93	3.00	.50	10.00	4.20
(b) ST. JAMES.													
Lowlands ...	9	18.00	2.62	12.67	2.08	11.00	1.48	7.66	.97	5.56	.46	9.56	2.73
V. DISTRICT "E."													
(a) ST. PETER.													
Highlands ...	8	15.37	2.90	12.13	2.67	9.25	1.38	7.87	1.23	6.25	.89	9.75	2.97
(a) ST. PETER.													
Lowlands ...	2	15.00	2.45	15.50	2.63	12.00	1.14	9.50	.92	6.00	.51	10.50	2.60
(b) ST. LUCY.													
Lowlands ...	4	11.25	1.71	13.00	2.48	8.00	1.00	6.50	.77	6.50	.68	7.75	2.71
VI. DISTRICT "F."													
(a) ST. JOSEPH.													
Highlands ...	2	18.00	3.86	14.00	2.88	16.00	2.96	14.00	2.31	5.00	.88	12.50	4.52
(a) ST. JOSEPH.													
Lowlands ...	...	...	...	...	...	...	...	...	...	...	...	...	...
(b) ST. ANDREW.													
Highlands ...	1	11.00	3.20	9.00	2.57	10.00	1.66	4.00	1.41	9.00	.82	12.00	2.77
(b) ST. ANDREW.													
Lowlands ...	1	10.00	1.94	8.00	1.52	4.00	1.05	2.00	.60	2.00	.24	4.00	2.37
	106	273.44	51.37	201.96	41.42	208.93	30.21	151.19	24.72	96.15	12.61	166.05	50.00
		15.19	2.85	11.22	2.30	11.56	1.68	8.40	1.37	5.34	.70	9.23	2.78

FROM JANUARY TO DECEMBER 1923.

July.		August.		September.		October.		November.		December.		Totals.	
Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
15.46	3.87	13.73	4.82	13.80	5.54	12.60	5.19	12.34	4.31	12.20	4.78	138.07	37.43
15.67	4.33	13.67	4.85	14.50	6.51	14.17	5.43	13.91	3.27	15.41	6.01	145.17	40.44
18.80	6.13	15.00	4.09	16.20	4.34	17.60	4.92	14.20	4.53	19.80	8.92	174.00	46.79
15.20	4.36	13.20	4.96	14.40	5.98	14.20	4.54	12.40	4.61	14.80	7.18	145.80	42.65
16.00	3.36	19.00	3.76	17.00	3.63	15.00	4.07	14.00	3.09	16.00	10.85	165.00	38.30
13.79	3.76	12.86	4.30	13.00	4.78	13.57	4.00	10.36	3.53	13.86	10.19	129.29	40.12
17.18	5.78	13.55	4.14	14.82	3.90	14.27	5.03	12.64	4.42	19.09	9.79	153.27	46.73
16.50	4.14	14.50	4.06	13.50	4.09	11.50	4.22	9.50	4.15	17.00	8.17	133.50	38.44
19.00	6.07	15.88	5.45	18.62	4.07	13.75	5.00	14.12	3.68	20.63	10.25	183.00	51.09
16.60	5.57	12.80	5.01	14.40	4.41	12.20	3.86	10.60	4.65	17.60	7.61	148.60	43.50
18.00	6.40	14.00	4.22	17.00	4.17	14.00	4.55	12.00	3.73	19.00	8.85	152.00	47.73
16.11	4.66	12.11	5.18	14.89	4.16	12.67	3.76	12.44	4.47	17.23	6.54	150.00	39.11
17.38	5.58	12.50	3.50	16.12	3.67	12.63	3.35	13.50	3.80	17.75	6.98	150.50	38.92
14.50	4.96	14.50	3.95	15.50	5.63	10.50	2.85	11.00	4.85	15.50	5.56	150.00	38.05
16.25	4.90	11.25	3.16	15.75	4.58	13.25	2.57	9.50	2.99	14.50	5.79	133.50	33.34
19.50	5.98	14.00	5.04	18.50	3.76	13.50	4.75	14.00	3.96	20.00	7.69	179.00	48.59
...	...	...	...	...	...	...	...	...	...	...	...	...	...
17.00	4.66	15.00	3.06	15.00	2.96	13.00	3.08	15.00	3.50	18.00	8.23	148.00	37.92
12.00	3.77	6.00	1.77	14.00	2.60	8.00	2.52	14.00	3.11	17.00	7.31	101.00	28.80
294.94	88.28	243.55	75.42	277.00	78.78	236.41	73.69	225.51	70.75	305.47	140.70	2679.70	737.95
16.39	4.90	13.53	4.19	15.39	4.38	13.13	4.09	12.53	3.93	16.97	7.82	148.87	40.99

